

MATERIAL SAFETY DATA SHEET

MSDS

DATE: 10/08/98	MSDS #: 522203	NEW <input checked="" type="checkbox"/> REVISED <input type="checkbox"/>
PURSELL INDUSTRIES, INC.		EMERGENCY PHONE NUMBERS.
P.O. Box 540		PURSELL: 1-800-874-8892
Sylacauga, AL 35150		CHEMTREC: 1-800-424-9300

SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: Vigoro Lawn Insect Control plus Fertilizer 28-4-6 PRODUCT NUMBER: 522203

CHEMICAL NAME: Diazinon Insecticide, Polymer-coated Urea, Polymer-coated Sulfur-coated Urea, Urea, Diammonium Phosphate, Muriate of Potash, Ferrous Sulfate

CHEMICAL CLASS: Organophosphate Insecticide, Dry

EPA REG. NO.: 8660-11

NFPA RATING: Health - 2 Flammability - 0 Reactivity - 0 Special - None

NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

SECTION - II - INGREDIENT INFORMATION

INGREDIENTS	CAS NUMBER	PEL	TLV	% BY WEIGHT
Diazinon (O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	333-41-5	0.1 mg/m ³	0.1 mg/m ³	3.34
Inert carrier	NA	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	96.66

SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity: (H ₂ O = 1) NA	Bulk Density 55-60 lb/ft ³
Vapor Pressure (mmHg): NA	Melting Point: NA
Vapor Density (Air = 1): NA	Evaporation Rate (Butyl Acetate = 1): NA
Solubility in Water: 0.004%	

Appearance and Odor: Tan to brown, white, yellow, and green granules with slight odor

SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA (TCC) Diazinon Flammable Limits: LEL: Not Known UEL: Not Known

Extinguishing Media: Use dry chemical, foam, or carbon dioxide extinguishing media.

Special Fire Fighting Procedures: Wear full protective clothing and positive pressure, self-contained breathing apparatus. Evacuate all nonessential personnel from the area to prevent human exposure from fire, smoke, and fumes.

Unusual Fire and Explosion Hazards: Decomposition products are toxic. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

SECTION - V - REACTIVITY DATA

Stability: Stable under all normal conditions

Incompatibility (Materials to avoid): Acids and Bases. Oxidizing agents.

Hazardous Decomposition or Byproducts: Thermal decomposition products include, but are not limited to, various aliphatic organophosphates, substituted pyrimidines and hydrogen cyanide. S-TEPP and Diazoxon may form when Diazinon is reacted with trace amounts of water. Cyanuric acid, biuret, ammonia, hydrogen cyanide, nitrogen oxides, chlorine gas and sulfur oxides.

Hazardous Polymerization: Will not occur.

SECTION - VI - HEALTH HAZARD DATA

ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

Route(s) of entry: Skin contact; Ingestion

Eyes: May cause moderate irritation. If eye contact occurs, flush eyes with running water for 15 minutes.

Skin: May cause moderate irritation and possible localized sweating and muscular twitching at the site of contact. Wash with soap and water. Seek medical attention if irritation persists.

Inhalation: May cause moderate irritation to the nose, throat, and lungs. Remove to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated.

Ingestion: Call a physician immediately. Drink 1-2 glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until the vomit is clear. Do not induce vomiting or give anything by mouth if a person is unconscious or convulsing. The phone number for the National Poison Control Center is (202) 625-3333.

Notes to physician: Atropine by intravenous administration is the preferable antidote. Oximes may or may not be therapeutic but it is recommended they not be used in place of atropine. 2-PAM may also be useful in treating severe cases provided therapy begins within 36 hours of exposure. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed or food; other herbicides, fertilizers or insecticides, to prevent cross-contamination.

Procedures in case of spill or release: Do not touch spilled material. Wear protective clothing, chemical resistant gloves and shoes, safety glasses or goggles. Use NIOSH/MSHA approved respirator (TC-21C) if exposure levels are high. If materials are uncontaminated, collect, label containers, and reuse as directed on label. Flush contaminated area with water if possible. Empty containers may be disposed of in a licensed sanitary landfill. Do not reuse bag.

Waste Disposal Method: If uncontaminated, use as directed on the label. If contaminated, dispose of according to all Federal, State, and Local laws

Other Precautions: Wash thoroughly after handling

SECTION - VIII - CONTROL MEASURES

Ventilation Requirements: None required with normal use of this product.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required with normal use of this product.

Protective Clothing: Impervious gloves and boots, long sleeve shirt and pants, and safety glasses should be worn

Eye Protection: Use of safety glasses with side shields is recommended.

SECTION - IX - ADDITIONAL INFORMATION

This product is a pesticide, and is toxic to aquatic organisms. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Dispose of wastes at an approved waste disposal facility, in accordance with applicable regulations. Keep animals away from large spills.

SECTION - X - SARA TITLE III REQUIREMENTS

Section 302 Extremely Hazardous Substances: No	SARA Hazard Category: Immediate and Delayed Health Hazard
Section 311/312 Hazardous Substances: No	Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH): None
Section 313 Toxic Chemicals: Yes (Diazinon)	CERCLA: RQ - 1 lb. (Diazinon)
Proposition 65 (CA): Not listed	Clean Water Act: Stormwater Table 4

OTHER PRECAUTIONS AND COMMENTS

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label

NA = NOT APPLICABLE

NI = NOT INDICATED

PURSED, INC.

Contact Customer Service

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(205) 245-5282